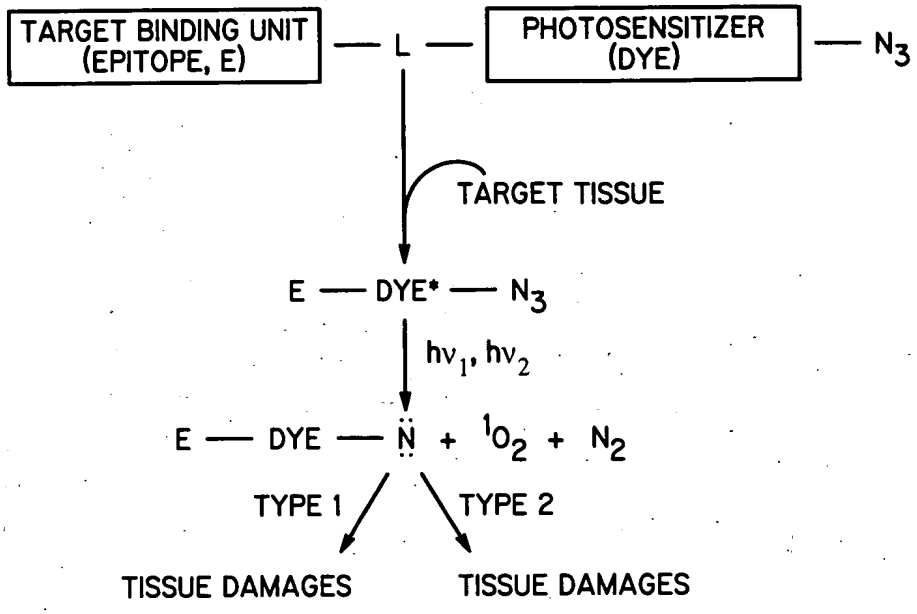
TARGET BINDING UNIT (EPITOPE, E)
L
PHOTOSENSITIZER (DYE)
N_3
TARGET TISSUE
E — DYE* — N_3
$h\nu_1$, $h\nu_2$
E — DYE — N + $^1O_2$ + N_2
TYPE 1
TYPE 2
TISSUE DAMAGES
TISSUE DAMAGES

FIG. 1

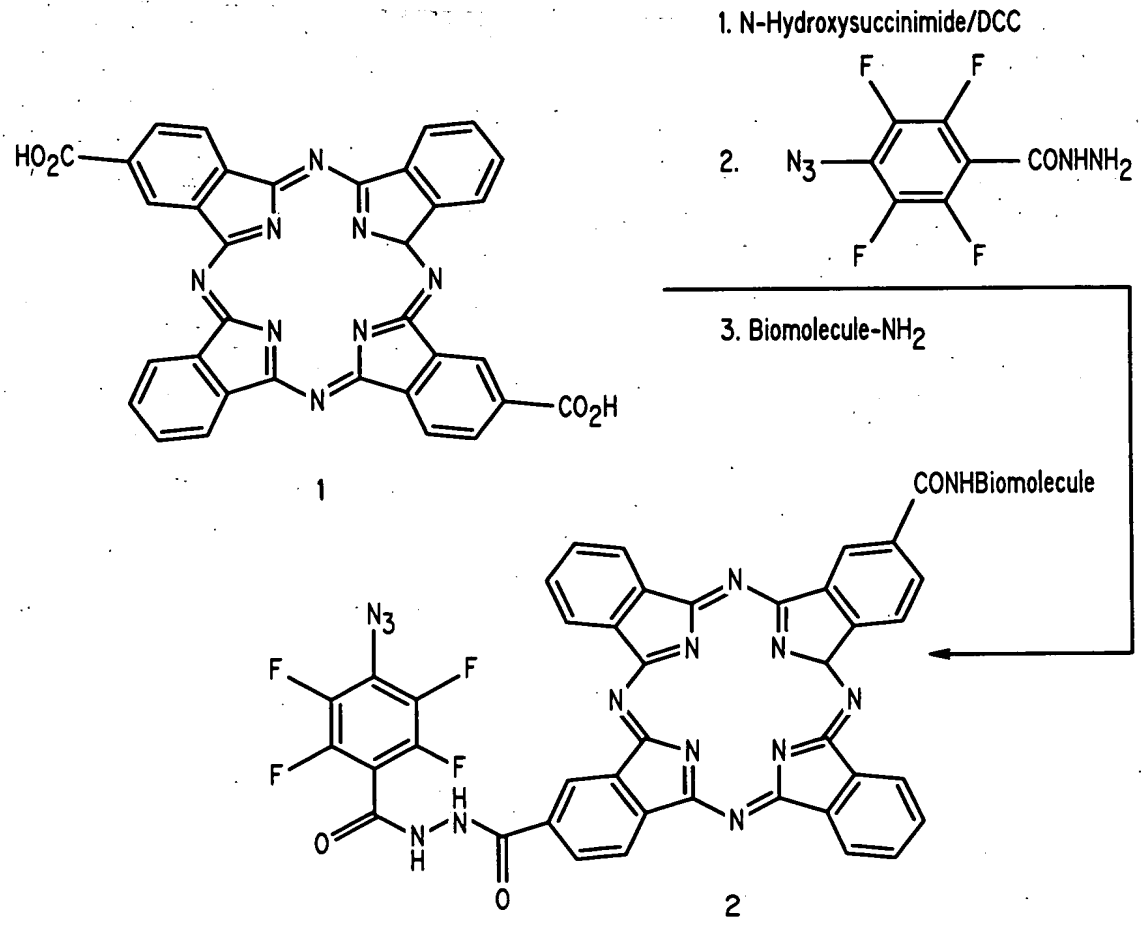
1. N-Hydroxysuccinimide/DCC
2.
3. Biomolecule-NH_2
HO_2C
CO_2H
$CONHNH_2$
N_3
F
CONHBiomolecule
1
2

FIG. 2

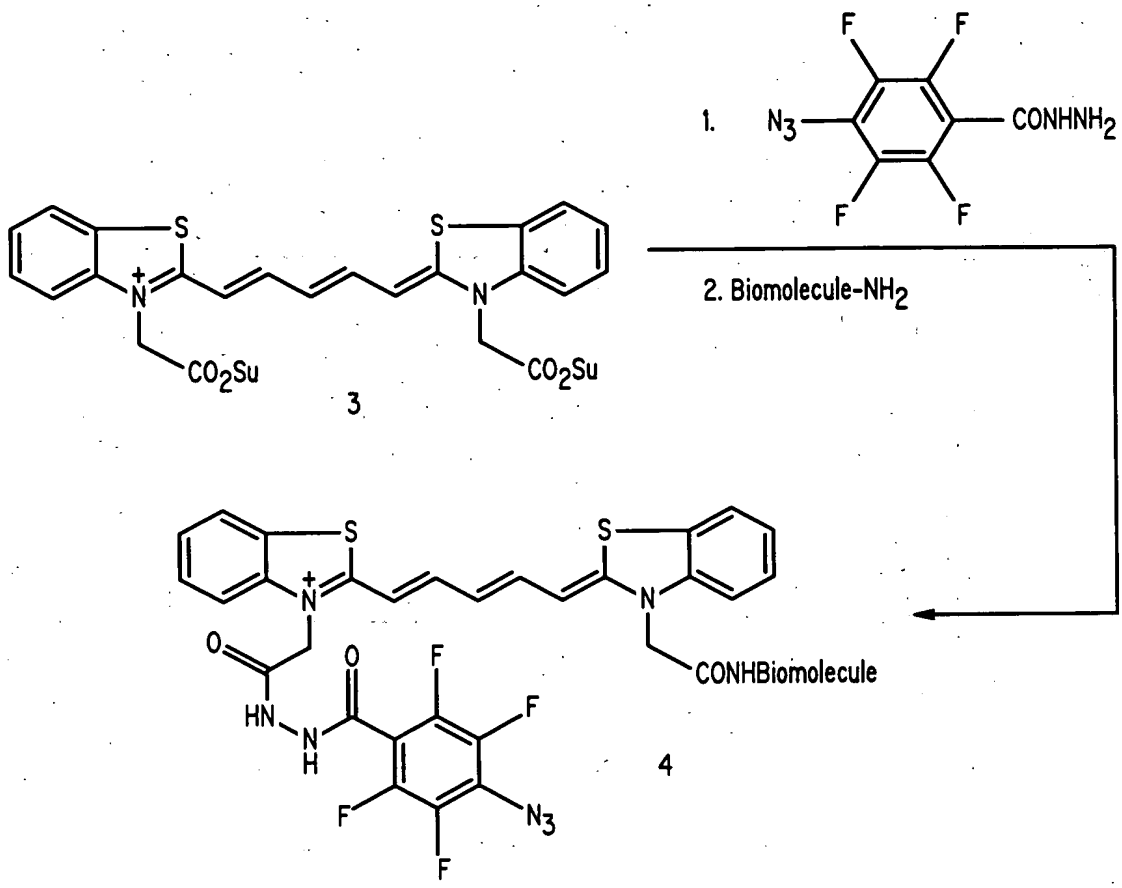
1. N_3
F
F
F
F
$CONHNH_2$
2. Biomolecule-NH_2
S
S
N
N
CO_2Su
CO_2Su
3
CONHBiomolecule
O
O
HN
N
H
N_3
4

FIG. 3